



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/462,342	01/07/2000	SATOSHI OBATA	KOIK-P9501	4969

7590 03/24/2003

SONNENSCHN NANTH & ROSENTHAL
P.O. BOX 061080
WACKER DRIVE STATION- SEARS TOWER
CHICAGO, IL 60606-1080

EXAMINER

SWICKHAMER, CHRISTOPHER M

ART UNIT PAPER NUMBER

2697

DATE MAILED: 03/24/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/462,342

Applicant(s)

OBATA ET AL.

Examiner

Christopher M Swickhamer

Art Unit

2697

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 February 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 January 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 4.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: '12' on page 12, line 12. This list is not inclusive, there are many reference sign errors between the specification and drawings. The specification and drawings must be checked to ensure that the reference signs agree.
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference characters "63" on page 15, line 19 and "62" on page 16 line 1 have both been used to designate the "mapping table". A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.
4. The disclosure is objected to because of the following informalities: There are several misspelling, such as "AMT" instead of "ATM" on page 16, line 14. The specification must be checked for additional spelling errors. Additionally, the language used in certain sentences, such as "cannot be efficiently in Internet" on page 2, lines 5-6, does not make sense. The language used must be checked to eliminate these instances from the specification. Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

6. Claims 1-15 are rejected under 35 U.S.C. 102(a) as being anticipated by Kabushiki (EP 835037 A2, which is JP 10 112730 of IDS). Referring to Claim 1, Kabushiki discloses an information transmitting apparatus for use in a first network, designed to transmit information via a second network to an information receiving apparatus incorporated in a third network (Fig. 1, col. 19, lns. 50-col. 20, lns. 10), characterized by comprising band-reserving means for reserving a band for the second network (col. 36, lns. 30-35); generating means for generating a mapping table showing the address of the information receiving apparatus (Fig. 3, col. 26, lns. 42-58); and transmitting means for transmitting information by referring to the mapping table generated by the generating means (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 2, Kabushiki discloses an information transmitting apparatus according to claim 1, characterized in that the generating means generates a mapping table showing the channel number of the first network, the address of the second network and the channel number of the third network, which correspond to one another (Fig. 3, 5 and 11).

- Referring to Claim 3, Kabushiki discloses an information transmitting apparatus according to claim 2, characterized in that the first and third networks are IEEE 1394 serial-data bus networks (Fig. 33 and 42).

- Referring to Claim 4, Kabushiki discloses an information transmitting apparatus according to claim 1, characterized by further comprising receiving means for receiving video information input, and a guide server (GUI-generating means, Fig. 31) for generating a GUI,

synthesizing the GUI with the video information received by the receiving means and outputting a combination of the GUI and the video information (col. 22, lns. 5-12).

- Referring to Claim 5, Kabushiki discloses a method of transmitting information in an apparatus for use in a first network, designed to transmit information via a second network to an information receiving apparatus incorporated in a third network (Fig. 1), characterized by comprising: a band-reserving step of reserving a band for the second network (col. 44, lns 29-48); a generating step of generating a mapping table showing the address of the information-receiving apparatus (Fig. 3, col. 26, lns. 42-58), and a transmitting step of transmitting information by referring to the mapping table generated in the generating step (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 6, Kabushiki discloses a recording medium recording a program for use in a first network, designed to perform a process of transmitting information via a second network to an information receiving apparatus incorporated in a third network, characterized in that said program can be executed by a computer (Fig. 31) and includes: a band-reserving step of reserving a band for the second network (col. 44, lns. 29-48); a generating step of generating a mapping table showing the address of the information-receiving apparatus (col. 26, lns. 42-58), and a transmitting step of transmitting information by referring to the mapping table generated in the generating step (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 7, Kabushiki discloses an information receiving apparatus for use in a first network, designed to receive information via a second network from an information transmitting apparatus incorporated in a third network (Fig. 1), characterized by comprising generating means for generating a mapping table showing the address of the information transmitting apparatus (col. 26, lns. 42-58); and transfer means for transferring information by referring to the mapping table generated by the generating means (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 8, Kabushiki discloses an information receiving apparatus according to claim 7, characterized in that the generating means generates a mapping table showing the channel number of the first network, the address of the second network and the port number of the third network, which correspond to one another (Fig. 3, 5 and 11).

Referring to Claim 9, Kabushiki discloses an information receiving apparatus according to claim 8, characterized in that the first and third networks are IEEE1394 serial-data networks (Fig. 33 and 42)

- Referring to Claim 10, Kabushiki discloses an information receiving apparatus according to claim 7, characterized by further comprising receiving means for receiving video information input (Fig. 31), and means for generating a GUI, synthesizing the GUI with the video information received by the receiving means and outputting a combination of the GUI and the video information (col. 22, lns. 5-12).

- Referring to Claim 11, Kabushiki discloses a method of receiving information in an information receiving apparatus used in a first network, designed to receive information via a second network from an information transmitting apparatus incorporated in a third network (Fig. 1), characterized by comprising; a generating step of generating a mapping table showing the address of the information transmitting apparatus (col. 26, lns. 42-58); and a step of transferring information by referring to the mapping table generated in the generating step (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 12, Kabushiki discloses a recording medium recording a program for use in a first network, designed to perform a process of receiving information via a second network from an information transmitting apparatus incorporated in a third network, characterized in that said program can be executed by a computer (Fig. 31) and includes: a generating step of generating a mapping table showing the address of the information

transmitting apparatus (col. 26, lns. 42-58); and a step of transferring information by referring to the mapping table generated in the generating step (col. 12, lns. 50-col. 13, lns. 8).

- Referring to Claim 13, Kabushiki discloses an information transmitting/receiving apparatus for transmitting and receiving information through a plurality of networks (Fig. 1), characterized by comprising: reserving means for reserving bands for the networks (col. 44, lns. 29-48); generating means for generating a mapping table showing the address of a destination (col. 26, lns. 42-58); communicating means for communicating information by referring to the mapping table generated by the generating means (col. 12, lns. 50-col. 13, lns. 8); receiving means for receiving video information input; and program guide generating means (GUI-generating means, Fig. 31) for generating a program guide (GUI), synthesizing the program guide (GUI) with the video information received by the receiving means and outputting a combination of the program guide (GUI) and the video information (col. 22, lns. 5-13).

- Referring to Claim 14, Kabushiki discloses a method of transmitting and receiving information in an information transmitting/receiving apparatus for transmitting and receiving information through a plurality of networks (Fig. 1), characterized by comprising: a reserving step of reserving bands for the networks (col. 44, lns. 29-48); a generating step of generating a mapping table showing the address of a destination (col. 26, lns. 42-58); a communicating step of communicating information by referring to the mapping table generated in the generating step (col. 12, lns. 50-col. 13, lns. 8); a receiving step of receiving video information input; and a program guide generating step (GUI-generating step, Fig. 31) of generating a program guide (GUI), synthesizing the program guide (GUI) with the video information received in the receiving step and outputting a combination of the program guide (GUI) and the video information (col. 22, lns. 5-13).

- Referring to Claim 15, Kabushiki discloses a recording medium recording a program for use in an information transmitting/receiving apparatus for transmitting and receiving information through a plurality of networks (Fig 1 and 31), characterized in that said program can be executed by a computer and includes: a reserving step of reserving bands for the networks (col. 44, lns. 29-48); a generating step of generating a mapping table showing the address of a destination (col. 26, lns. 42-58); a communicating step of communicating information by referring to the mapping table generated by the generating means (col. 12, lns. 50-col. 13, lns. 8); a receiving step of receiving video information input; and a program guide generating step (GUI-generating step, Fig. 31) of generating a program guide (GUI), synthesizing the program guide (GUI) with the video information received in the receiving step and outputting a combination of the program guide (GUI) and the video information (col. 22, lns. 5-13).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Horiguchi et al, USP 5,973,748. *Receiving device and Receiving Method Thereof*.
- Nomura, EP 841,791 A1. *Communication Controller and Method for Controlling Communication*.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M Swickhamer whose telephone number is (703) 306.4820. The examiner can normally be reached on 8:00-4:30 M-F.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (703) 305.4798. The fax phone numbers for the

Art Unit: 2697

organization where this application or proceeding is assigned are (703) 308.9571 for regular communications and (703) 827.9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305.3900.

CMS
March 11, 2003


RICKY NGO
PRIMARY EXAMINER